

Appl. No. 09/935,895
Final Amendment and/or Response
Reply to Office action of 30 December 2003

Page 2 of 6

Amendments to the Claims:

A listing of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-5 (Canceled)

6. (Previously presented) A ring-shaped core which is substantially closed and provided with a first gap, which first gap is substantially filled with a spacer material, which core has an inner face defining an inner circumference, an outer face defining an outer circumference, and two substantially parallel side faces, and is suitable for use in a magnetic coil,

wherein the spacer material is a synthetic resin which is substantially homogeneously distributed in the first gap and has a concave surface.

7. (Previously presented) The core of claim 6, wherein the synthetic resin comprises a filler.

8. (Previously presented) The core of claim 7, wherein the filler is a magnetic material.

9. (Previously presented) The core of claim 6, wherein:

the core comprises a second gap; and

the first gap and the second gap enclose an angle between 5 and 355° with one another.

Appl. No. 09/935,895
Final Amendment and/or R spons
Reply to Office action of 30 December 2003

Page 3 of 6

10. (Previously presented) A magnetic coil comprising:

a ring-shaped core that is substantially closed and is provided with a first gap that is substantially filled with a spacer material of a synthetic resin that is substantially homogeneously distributed in the first gap and has a concave surface, which core has an inner face defining an inner circumference, an outer face defining an outer circumference, and two substantially parallel side faces; and
a number of turns.

11. (Previously presented) The core of claim 8, wherein:

the core comprises a second gap; and
the first gap and the second gap enclose an angle between 5 and 355° with one another.